

539, 912

16 JUN 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/056925 A1

(51) International Patent Classification:
D06P 3/42, 1/18, 3/54

C09B 7/22,

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(21) International Application Number:

PCT/IB2003/006147

(22) International Filing Date:

18 December 2003 (18.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

02406130.1

20 December 2002 (20.12.2002)

EP

03005612.1

12 March 2003 (12.03.2003)

EP

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

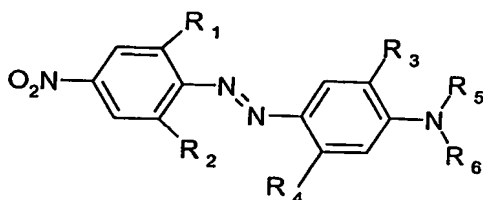
(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

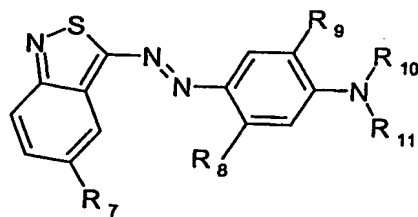
— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: DYE COMPOSITIONS FOR DYEING OR PRINTING OF FIBRE PRODUCTS COMPRISING CELLULOSEAC-
ETATE



(1)



(2)

(57) Abstract: Dye mixture containing at
least one dye of the formulae (1)(formula
see enclosed paper copy)and at least one dye
of the formulae (2)(formula see enclosed
paper copy)where the substituents are each
as defined in the claims. These mixtures are
useful for dyeing or printing fibre materials
comprising polyester and/or cellulose acetate.

WO 2004/056925 A1

INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT 03/06147

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09B67/22 D06P3/42 D06P1/18 D06P3/54

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09B D06P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 347 685 A (BAYER AG) 27 December 1989 (1989-12-27) cited in the application abstract; examples page 13, line 31 - line 32	1-7
Y	GB 2 346 150 A (CIBA SC HOLDING AG) 2 August 2000 (2000-08-02) cited in the application abstract	1-7
X	page 6, paragraphs 17,18 page 7, paragraphs 21-23 page 10, paragraphs 36,37	1,3
Y	DE 43 04 744 A (BASF AG) 18 August 1994 (1994-08-18) page 8, line 1 -page 9, line 62	1-6
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☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

22 March 2004

Date of mailing of the international search report

31/03/2004

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Dauksch, H

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Internat

Application No

PCT

03/06147

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 678 560 A (NIPPON KAYAKU KK) 25 October 1995 (1995-10-25) abstract	1-6
A	WO 00 43454 A (BUCKLEY ALAN JOHN ;WHITHAM CHRISTOPHER (GB); YORKSHIRE CHEMICALS P) 27 July 2000 (2000-07-27) abstract page 9, paragraph 1	1-6

INTERNATIONAL SEARCH REPORT

Intern. Application No

PCT/03/06147

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0347685	A	27-12-1989	DE 3821338 A1	28-12-1989
			DE 58908673 D1	12-01-1995
			EP 0347685 A2	27-12-1989
			JP 1932372 C	26-05-1995
			JP 2020568 A	24-01-1990
			JP 6062878 B	17-08-1994
			US 5160348 A	03-11-1992
GB 2346150	A	02-08-2000	CH 693506 A5	15-09-2003
			DE 10004071 A1	03-08-2000
			FR 2789083 A1	04-08-2000
			IT MI20000145 A1	01-08-2001
DE 4304744	A	18-08-1994	DE 4304744 A1	18-08-1994
			BR 9400575 A	23-08-1994
			CA 2114819 A1	18-08-1994
			CN 1096523 A	21-12-1994
			EP 0611808 A2	24-08-1994
			JP 6271785 A	27-09-1994
			US 5431699 A	11-07-1995
EP 0678560	A	25-10-1995	CN 1118027 A ,B	06-03-1996
			DE 69527167 D1	01-08-2002
			DE 69527167 T2	28-11-2002
			EP 0678560 A2	25-10-1995
			JP 2767564 B2	18-06-1998
			JP 8003470 A	09-01-1996
			US 5688288 A	18-11-1997
WO 0043454	A	27-07-2000	AT 234901 T	15-04-2003
			AU 3062400 A	07-08-2000
			DE 60001690 D1	24-04-2003
			DE 60001690 T2	16-10-2003
			EP 1066350 A1	10-01-2001
			EP 1223199 A1	17-07-2002
			WO 0043454 A1	27-07-2000
			US 6365718 B1	02-04-2002